



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Mekbib ASTATKE

Serial No.: 10/729,898

Filed: December 9, 2003

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Group Art No. TBA

Examiner: TBA

Docket No: 002951.00006

For: NUCLEIC ACID-CHELATING AGENT CONJUGATES

INFORMATION DISCLOSURE STATEMENT

Mail Stop

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56 and in compliance with 37 C.F.R. §1.97, Applicant submits herewith Form PTO-1449, identifying information for consideration by the Examiner. A copy of the items of information is enclosed.

Applicant does not waive any rights to take appropriate action to establish patentability over the listed documents should they be applied as a reference against the claims of the present application.

Consideration of the cited information and making the same of record in the prosecution of the above-noted application are respectfully requested. Should the Patent and Trademark Office determine that a fee is required, please charge our Deposit Account No. 19-0733.

Respectfully submitted,

BANNER & WITCOFF, LTD.

Dated: March 9, 2004

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 2

Complete if Known

Application Number	10/729,898
Filing Date	December 9, 2003
First Named Inventor	Mekbib Astatke
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	002951.00006

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
	1	US-4,569,794	02/11/1986	Smith et al	
	2	US- 4,707,440	11/17/1987	Stravrianopoulos	
	3	US- 4,877,830	10/31/1989	Döbeli et al	
	4	US- 5,047,513	09/10/1991	Döbeli et al	
	5	US- 5,284,933	02/08/1994	Döbeli et al	
	6	US- 5,310,663	05/10/1994	Döbeli et al	
	7	US- 5,475,096	12/12/1995	Gold et al	
	8	US- 5,674,677	10/07/1997	Peterson	
	9	US- 5,807,746	09/15/1998	Lin et al	
	10	US- 5,840,834	11/24/1998	Peterson	
	11	US- 5,843,663	12/01/1998	Stanley et al	
	12	US- 6,344,321	02/05/2002	Rabin et al	
		US-			
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FOREIGN PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	
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¹ EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

² Applicant's unique citation designation number (optional). ³ See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04.

⁴ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁵ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁶ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁷ Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08B(10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Sheet

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of

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Complete if Known

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First Named Inventor	Mekbib Astatke
Group Art Unit	TBA
Examiner Name	TBA
Attorney Docket Number	002951.00006

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
✓	13	DRAPER; "Attachment of reporter groups to specific, selected cytidine residues in RNA using a bisulfite-catalyzed transamination reaction"; <i>Nucleic Acids Research</i> , Vol. 12, No. 2 1984, pp. 989-1002; IRL Press Ltd., Oxford, England	
✓	14	HOCHULI et al; "Interaction of Hexahistidine Fusion Proteins with Nitrilotriacetic Acid-Chelated Ni ²⁺ Ions"; <i>METHODS: A Companion to Methods in Enzymology</i> 4, 1992, pp. 68-72; Academic Press, Inc.	
✓	15	KAPANIDIS et al; "Site-Specific Incorporation of Fluorescent Probes into Protein: Hexahistidine-Tag-Mediated Fluorescent Labeling with (Ni ²⁺ : Nitrilotriacetic Acid) _n -Fluorochrome Conjugates"; <i>J. Am. Chem. Soc.</i> , Vol. 123, 2001, pp. 12123-12125; American Chemical Society	
✓	16	LINDER et al; "Specific Detection of His-Tagged Proteins with Recombinant Anti-His Tag scFv-Phosphatase or scFv-Phage Fusions"; <i>BioTechniques</i> , Vol. 22, January 1997, pp. 140-149	
✓	17	PORATH et al; "Metal chelate affinity chromatography, a new approach to protein fractionation"; <i>Nature</i> , Vol. 258, December 18, 1975, pp. 598-599	
✓	18	SHESHERADARAN et al; "Protein antigen-monoclonal antibody contact sites investigated by limited proteolysis of monoclonal antibody-bound antigen: Protein 'footprinting'"; <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, January 1988, pp. 1-5	
✓	19	SMITH et al; "Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase"; <i>Gene</i> , Vol. 67, 1988, pp. 31-40; Elsevier Science Publishers B.V.	

Examiner Signature	Date Considered
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¹ Unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

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